

CIC #: 99EPA EPA SUPERFUND PROGRAM

Billed Date: 01-Jul-2014

Customer Order Number: DW96942125

PASSAIC CPG OVERSIGHT 147757 BZ761

EPA 598

VOUCHER FOR TRANSFERS
BETWEEN APPROPRIATIONS AND/OR FUNDS (AR 37-1)

Mission Assignment No:

D.O. Voucher No.BU. Voucher No.Bill No.Paid By Check No.Collection Vou. No.

27068403

Partial # 85 02-Jun-2014 Thru 01-Jul-2014

Billed Office (Mail To):

U S ENVIRONMENTAL PROTECTION AGENCY
 ACCOUNTING OPERATIONS OFFICE
 26 W MARTIN LUTHER KING DRIVE
 CINCINNATI OH 45268-7002

Billing Office (Send Remittance To):

USACE FINANCE CENTER G5
 KANSAS CITY DISTRICT G5
 5720 INTEGRITY DRIVE

MILLINGTON TN 38054-5005

Billed Accounting Classification

068 068 X 8145.0000 2007 00 0000 000000000000 00000

Billing Accounting Classification

\$207,693.46 096 NA X 3122.0000 G5 08 2416 868 022125 96231

\$207,693.46

Line Item	Moa	Description	Eaid No	Amount
1	CONTRACT - OUTSIDE GOVERNMENT	PVT SCTR CONTRACTUAL ARCHITECTURAL & ENGINEERING SERVICES (AE CONTRACTOR EARNINGS)		\$198,620.94
1	CONTRACT - OUTSIDE GOVERNMENT	TRANSP OF GOVT EMPLOYEES OR OTHERS, PERDIEM ALLOW IN TVL STATUS & OTH INCIDENTAL TRVL EXP		\$985.41
1	INHOUSE - LABOR	DEPARTMENTAL OVERHEAD COSTS		\$2,396.18
1	INHOUSE - LABOR	GENERAL AND ADMINISTRATIVE OVERHEAD COSTS		\$698.89
1	INHOUSE - LABOR	LABOR		\$4,992.04
Subtotal:				\$207,693.46

CORPS CERTIFICATION

"I CERTIFY THAT THE ABOVE ARTICLES WERE DELIVERED AND OR THE SERVICES PERFORMED AS STATED AND THAT THE PAYMENT REQUESTED IS CORRECT TO THE BEST OF MY KNOWLEDGE, AND SHOULD BE PAID AND CHARGED TO THE APPROPRIATION(S) OR FUNDS AS INDICATED."

28 Aug 14 *Elizabeth A. Franklin*
 DATE SIGNATURE
Elizabeth A. Franklin
 Project Manager

Total Billed Amount:	\$207,693.46
Less Partial Amount Paid:	\$0.00
Payment Due Date: 31-Jul-2014	Pay This Amount: \$207,693.46

Funds Authorized: \$10,900,000.00
Total Billed Amount: \$8,924,447.54
Prev Billed Amount: \$8,716,754.08
Current Billed Amount: \$207,693.46
Total Flux Billed: \$0.00
Prev Flux Billed: \$0.00
Current Flux Billed: \$0.00

CERTIFICATE OF OFFICE BILLED

I certify that the above articles were received and accepted or the services performed as stated and should be charged to the appropriation(s) and/or fund(s) as indicated above, or that the advance payment requested is approved and should be paid as indicated.

Date:

Authorized Administrative or Certifying Officer

PROGRESS REPORT

KANSAS CITY DISTRICT
DIAMOND ALKALI, (LOWER PASSAIC RIVER), NJ
IA Number: DW96942125

MONTHLY REPORT FOR JUNE 2014

	Revised Reimbursable (096X3122)	Direct Fund Cite	IA Totals (096X3122)
STATEMENT OF CHARGES FOR PERIOD:			
Total Funds Authorized:	\$10,900,000.00	\$0.00	\$10,900,000.00
Less Total Expenditures: (-)	\$8,924,447.54	\$0.00	\$8,924,447.54
Less Undelivered Orders: (-)	\$1,709,507.38	\$0.00	\$1,709,507.38
Less Commitments: (-)	\$4,864.47	\$0.00	\$4,864.47
Funds Available Balance:	\$261,180.61	\$0.00	\$261,180.61

BILLING ACTIVITY (096X3122):	
Bill Number:	27068403
Funds Expended During Report Period:	\$207,693.46
Total Billed to Date:	\$8,924,447.54
DIRECT FUND CITE PAYMENTS:	
Funds Expended During Report Period:	\$0.00
Total Expended to Date:	\$0.00

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PROGRESS REPORT

KANSAS CITY DISTRICT
DIAMOND ALKALI, (LOWER PASSAIC RIVER), NJ
IA Number: DW96942125

Bill Number: 27068403
Bill Invoice Date: 01-JUL-2014

Monthly Billing Amount(096X3122): \$207,693.46

Monthly Direct Fund Cite Contract Cost(068X8145): \$0.00

Budget Categories	Costs for Current Month	Prior Month's Summary	Project Costs to Date
a Personnel	\$3,153.71	\$160,487.83	\$163,641.54
b Fringe Benefits	\$1,838.33	\$85,586.02	\$87,424.35
c Travel	\$985.41	\$16,352.00	\$17,337.41
d Equipment	\$0.00	\$0.00	\$0.00
e Supplies	\$0.00	\$0.00	\$0.00
f Procurement	\$198,620.94	\$8,114,593.45	\$8,313,214.39
g Construction	\$0.00	\$0.00	\$0.00
h Other	\$0.00	\$185,344.97	\$185,344.97
i Total Direct Charges	\$204,598.39	\$8,562,364.27	\$8,766,962.66
j Total Indirect Charges	\$3,095.07	\$154,389.81	\$157,484.88
k TOTAL	\$207,693.46	\$8,716,754.08	\$8,924,447.54

LABOR BREAKOUT FOR MONTH:

Individual	Location	Function	Hours	Labor Amount
JAMES M. ARMSTRONG	KANSAS CITY DISTRICT	MANAGEMENT ANALYST	3.00	\$244.88
ELIZABETH FRANKLIN	KANSAS CITY DISTRICT	HTRW PROJECT MANAGER	57.50	\$7,585.26
JENNIFER L KOLARIK	KANSAS CITY DISTRICT	PROJECT MANAGEMENT SPECIAL	2.00	\$126.96

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PROGRESS REPORT

KANSAS CITY DISTRICT
DIAMOND ALKALI, (LOWER PASSAIC RIVER), NJ

LABOR BREAKOUT FOR MONTH:

Individual -----	Location -----	Function -----	Hours -----	Labor Amount -----
JILL K. FRALEY	KANSAS CITY DISTRICT	SUPERVISORY GEOLOGIST	1.00 -----	\$130.01 -----
TOTAL LABOR:			63.50	\$8,087.11

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Progress Report for EPA Region II

Site:	Diamond Alkali, Lower Passaic River (Extended Study): RI/FS Oversight, New Jersey		Phase:	RI/FS, OU4	
Bill No.:	Partial #85 27068403	IAG No.: NWK	IAG: DW96942125/BZ761 IAG Award Date: 8/31/07	IAG Expiration Date: 3/31/18	Other Corps P2 #147757/FWI 96B4B2
Reporting Period:	From: June 2, 2014	To: July 1, 2014	EPA RPM Stephanie Vaughn		USACE PM Elizabeth Franklin
Work Performed					

Work Performed	<input type="checkbox"/> On 11 and 23 June 2014, participated in project progress conference calls with EPA/COE/CDM/LBG/HDR/BAT. <input type="checkbox"/> Funding. No funding received during the reporting period. <input type="checkbox"/> Team Calls. On 9, 16, 23 and 30 Jun 14, participated in weekly manager's call. <input type="checkbox"/> CDM Task Order 0005 WVN 8. <input type="checkbox"/> During the May reporting period, WVN 8 draft was submitted and discussed several times. CDM submitted additional justification for this WVN which was reviewed and discussed with F. Tsang during May. <input type="checkbox"/> On 5 Jun 14, CDM submitted revised draft WVN for review. <input type="checkbox"/> On 7 Jun 14, provided comments and requirements for changes in the WVN. <input type="checkbox"/> On 9 Jun 14, discussed all comments and changes with F. Tsang. <input type="checkbox"/> On 10 Jun 14 received final WVN 8 for approval. <input type="checkbox"/> On 23 Jun 14, WVN 8 was approved and distributed. <input type="checkbox"/> Invoice. TO 0005. On 9 Jun 14, reviewed and approved CDM Invoice #24, totaling \$189,945, for period 30 Mar – 26 Apr 14. <input type="checkbox"/> Invoice. LBG TO 0001. On 19 Jun 14, reviewed and approved LBG Invoice 29, which included \$8,675.94 for period 29 Mar – 25 Apr 14. Invoiced amount was for Kern Statistical efforts. <input type="checkbox"/> Discussed management transition with J. Czapor, F. Tsang and K. Tan. Clarified roles and responsibilities and suggested that contract and reporting documentation requirements be shared with the new project management team. <input type="checkbox"/> Traveled to NY and on 12 Jun 14 participated in team manager meeting. All aspects of the project, status, issues and schedule were discussed. Held discussion with risk assessors to specifically discuss the human health risk assessment. Also discussed the CDM deliverable table updated 11 Jun 14. <input type="checkbox"/> Initial discussions held regarding the water line survey Tierra is planning. Separate labor charges are noted in table below. CDM was also instructed to track charges separately for oversight of this effort. <input type="checkbox"/> Schedule. <input type="checkbox"/> On 24 Jun 14, CDM provided an updated deliverable table with revisions and updates as discussed at the 12 Jun 14 team meeting. <input type="checkbox"/> River Mile 10.9. <input type="checkbox"/> On 7 and 28 May 14, participated in weekly managers conference calls to discuss removal action status. <input type="checkbox"/> Preparation of Progress Report and Project Expenditure spreadsheet.
Key Meetings This Period	<input type="checkbox"/> Regular project progress calls. <input type="checkbox"/> Other project calls and meetings as noted throughout this progress report.

Progress Report for EPA Region II

**Key Contract Milestones
Completed to Date**

- ☐ **MPI Task Order 0020: Contract W912DQ-06-D-0006, Expiration Date – 19 Sep 2012**
 - ☐ 21 Sep 07 – Base Task Order, CPG RI/FS Oversight awarded for \$349,601.
 - ☐ 19 Jun 08 – Modification 01, CPG RI/FS Oversight was awarded for \$274,903.
- ☐ **MPI Task Order 0010: Contract W912DQ-08-D-0017, Expiration Date – 15 Jan 2014**
 - ☐ 16 Jan 09 – Base Task Order, CPG RI/FS Oversight was awarded for \$65,000.
 - ☐ 5 Mar 09 – Modification 0001 was awarded for \$69,772.
 - ☐ 24 Jun 09/1 Jul 09 - Modification 0002 was awarded for \$49,756 (verbal on 24 Jun/written on 1 Jul).
 - ☐ 3 Aug 09 – Modification 0003 was awarded for \$378,843.
 - ☐ 28 Aug 09: Contract Mod 4 was awarded, totaling \$279,277.
 - ☐ 1 Sep 09, Mod 5 (admin in nature) was signed.
 - ☐ 29 Dec 09, Mod 6 was awarded, totaling \$211,881.
 - ☐ 9 Jul 10, Mod 7 was awarded, totaling \$52,890.
 - ☐ 28 Dec 10, Mod 8 was awarded, totaling \$54,473.
- ☐ **CDM Task Order 0014: Contract W912DQ-08-D-0018, Expiration Date – 30 Jul 2014**
 - ☐ 3 Aug 09 – Base Task Order, CPG RI/FS Oversight was awarded for \$160,000 (verbal was given 31 Jul 09)
 - ☐ 22 Aug 09: Contract Mod 1/TO 0014 was issued, totaling \$175,902.
 - ☐ 25 Aug 09; Mod 2 (admin in nature) was signed.
 - ☐ 23 Dec 09; Mod 3 was awarded, totaling \$493,000.
 - ☐ 3 Mar 10; Mod 7 was awarded, totaling \$283,000. (Numbering out of order due to electronic system error.)
 - ☐ 14 May 10; Mod 8 was awarded, totaling \$140,000.
 - ☐ 9 Jun 10; Mod 9 was awarded, totaling \$375,000.
 - ☐ 21 Oct 10, Mod 10 was awarded, totaling \$362,923 (note \$63,000 of this funding is from IA 2023).
 - ☐ 27 Dec 10, Mod 11 was awarded, totaling \$74,426 (note funding split as follows: \$50,000 is Passaic FFS, IA 1975 and \$24,426 is Newark Bay, IA 2023).
 - ☐ 4 May 11, Mod 12 was awarded, totaling \$682,426 (note funding split as follows: \$645,000 is IA 2023 and \$37,426 is IA1975).
 - ☐ 19 Sep 11, Mod 13 was awarded, totaling \$150,000.
- ☐ **CDM Task Order 0005; Contract W912DQ-11-D-3004, Expiration Date – 15 Dec 2016**
 - ☐ 15 Dec 11 – Base Task Order, CPG RI-FS Oversight was awarded for \$770,000
 - ☐ 24 Jan 12 – Mod 1 (admin in nature) was signed.
 - ☐ 1 Jun 12 – Mod 2 was awarded, totaling \$1,059,312.
 - ☐ 7 Jan 13 – Mod 3 was awarded, totaling \$1,500,000.
 - ☐ 11 Jul 13 – Mod 4 was awarded, totaling \$1,250,000.
 - ☐ 14 Feb 14 – Mod 5 was awarded, totaling \$900,000.
- ☐ **LBG Task Order 0001; Contract W912DQ-11-D-3009, Expiration Date – 17 Nov 2016**
 - ☐ 26 Nov 13 – Mod 7 was awarded, IA funds totaling \$11,522 (for Kern Statistical).
 - ☐ 9 May 14 - Mod 9 was awarded, IA funding totaling \$64,533 (for Kern Statistical and RM 10.9 sample storage).

Progress Report for EPA Region II

Contractor Actions/ Accomplishments

CDM

- ☐ Management. CDM participated in progress calls as noted throughout this report, prepared the CDM progress report, invoice, and participated in conference calls. Additional information may be found in the CDM Progress Report covering period May 25 – June 28, 2014. Information is also contained in daily email reports provided by CDM during specific fieldwork oversight efforts.
- ☐ CDM Fieldwork Oversight.
 - On 16 Jun 14, reporting limits associated with the CPG high volume data set were reviewed and the team determined that this reporting limit will be used to be consistent with the CPG report.
 - On 17 Jun 14, submitted technical memorandum with HV-CWCM split sample comparison.
 - Initiated review of total suspended solids and dissolved solids results for split samples. Some inconsistencies were noted and are in progress for resolution.
 - Background sampling oversight split sample comparison in progress and will be completed upon receipt of the CPG Summary Report regarding background tissue collection.
 - Continued validation of SSP2 split sample data.
- ☐ CDM Fieldwork Oversight Reporting.
 - Continued review of CPG Draft Physical Water Column Monitoring Sampling Program Characterization Summary, dated March 2014.
 - On 30 May 14, completed review of CPG response to comments on the 2008 Low Resolution Coring Characterization Summary, dated April 2014.
 - Performed full update of document tracking table and comparison to CPG schedule.
 - Received summary lists of CSM comments. Review and organization of these comments is underway.
- ☐ CDM Data Manager/Website/Digital Library.
 - Provided data management support to extract data sets for EPA, team members and partner agencies.
 - Exported CPGs SSP2 dataset to incorporate results into GIS.
 - Processed and uploaded SSP2 data into Passaic River EQulS database.
 - Exported TSS and DS summary data for CWCM split samples for evaluation.
 - Updated CWCM high volume split sample data.
- ☐ CSO/SWO Sampling Oversight
 - No activity. Accounting corrections occurred to allocate hours into the proper task.
- ☐ River Mile 10.9 Removal Action Oversight.
 - On 25 Jun 14, conducted final walk through of the site to evaluate results of site restoration activities. Protruding armor stones were documented and the situation is being evaluated.
 - On 28 May and 14 Jun 14, participated in oversight management calls.
- ☐ Modeling (HDR).
 - Participated in team conference call regarding the CWCM data and CPG proposed relationship between water and sediment concentrations.
 - Review of CPG ECOM-SEDZLJS model code.
- ☐ CPG Risk Assessment (BAT).
 - On 5 Jun 14, submitted technical memorandum “Burial and Burrowing Depth of Infaunal Organism from the Passaic River, New Jersey” prepared by Robert Prezant.
 - Initiated review of the CPG Draft Baseline Human Health Risk Assessment and attended conference call with team on 6 Jun 14.
 - On 16 Jun 14, Baseline Ecological Risk Assessment was received and review was initiated.
- ☐ Data Evaluation.
 - Continued to formulate data presentation plans and evaluate approaches to visualize and demonstrate site conditions.
 - On 6 Jun 14, submitted figures depicting overlying mudflats on natural neighbor contaminant interpolations for PCBs, mercury and 2,3,7,8-TCDD.
- ☐ 17 Mile CPG Schedule. On 11 & 24 Jun 14, CDM provided updated deliverable table. CPG current schedule is dated 23 May 14.

Progress Report for EPA Region II

Projected Work, Meetings Milestones FY2013. Current Status of Work Products (cont.)	
<i>Meetings</i>	• Continuation of bi-weekly progress calls and additional coordination meetings/conference calls with CPG.
<i>Key Milestones Forthcoming</i>	• As noted in the CPG schedules and/or verbal updates.
Issues	
<i>Technical:</i>	• Issues are worked in an ongoing basis as discussions held between the EPA and CPG.
<i>Schedule</i>	• EPA discusses schedule items with the CPG as needed.
<i>Funding:</i>	• None at this time.

IAG Summary: Technical Assistance						
Amendment Funding						
USACE	Direct Fund Cite	Amend #	Date	USACE	Direct Fund Cite	Total IAG
410,000	0	Initial	9/6/07	-	-	\$ 410,000
290,000	0	1	6/3/08	-	-	\$700,000
75,000	0	2	12/31/08	-	-	\$775,000
85,000	0	3	2/19/09	-	-	\$860,000
50,000	0	4	6/23/09	-	-	\$910,000
576,665	0	5	7/27/09	-	-	\$1,486,665
500,000	0	6	8/7/09	-	-	\$1,986,665
789,000	0	7	12/1/09	-	-	\$2,775,665
300,000	0	8	2/24/10	-	-	\$3,075,665
140,000	0	9	4/27/10	-	-	\$3,225,665
510,000	0	0	5/24/10	-	-	\$3,735,665
400,000	0	0	9/14/10	-	-	\$4,135,665
745,000	0	0	4/8/11	-	-	\$4,880,665
150,000	0	0	8/31/11	-	-	\$5,030,665
850,000	0	0	11/12/11	-	-	\$5,880,665
1,124,335	0	0	5/14/12	-	-	\$7,005,000
1,650,000	0	0	12/6/12	-	-	\$8,655,000
1,345,000	0	0	5/31/13	-	-	\$10,000,000
900,000	0	0	2/7/14	-	-	\$10,900,000

Progress Report for EPA Region II

Expenditures: USACE and Contract				
Summary of Funds Spent Per Activity & Funding Remaining				
Description	Funds for Activity	Funds Disbursed this Month	Funds Disbursed to Date	Funds Remaining
MPI: Contract W912DQ-06-D-0006; Task Order 0020; awarded 21 Sep 07	\$349,601.00	\$0.00	\$349,601.00	\$0.00
MPI: Contract W912DQ-06-D-0006; Task Order 0020/Mod 1; awarded 19 Jun 08	\$274,903.00	\$0.00	\$267,213.93	\$7,689.07
MPI: Contract W912DQ-08-D-0017; Task Order 0010; awarded 16 Jan 09	\$65,000.00	\$0.00	\$65,000.00	\$0.00
MPI: Contract W912DQ-08-D-0017; Task Order 0010/Mod 1; awarded 5 Mar 09	\$69,772.00	\$0.00	\$69,772.00	\$0.00
MPI: Contract W912DQ-08-D-0017; Task Order 0010/Mod 2; awarded 24 Jun 09	\$49,756.00	\$0.00	\$49,756.00	\$0.00
MPI: Contract W912DQ-08-D-0017; Task Order 0010/Mod 3; awarded 3 Aug 09	\$378,843.00	\$0.00	\$378,843.00	\$0.00
MPI: Contract W912DQ-08-D-0017; Task Order 0010/Mod 4; awarded 28 Aug 09	\$279,277.00	\$0.00	\$279,277.00	\$0.00
MPI/LBG: Contract W912DQ-08-D-0017; Task Order 0010/Mod 6; awarded 29 Dec 09 ^{Note 1}	\$211,881.00	\$0.00	\$211,881.00	\$0.00
MPI/LBG: Contract W912DQ-08-D-0017; Task Order 0010/Mod 7; awarded 9 Jul 10	\$52,892.00	\$0.00	\$52,892.00	\$0.00
MPI/LBG: Contract W912DQ-08-D-0017; Task Order 0010/Mod 8; awarded 28 Dec 10	\$54,473.00	\$0.00	\$19,780.45	\$34,692.55
CDM: Contract W912DQ-08-D-0018; Task Order 0014/Base Contract; awarded 6 Aug 09 (verbal 31 Jul 09)	\$160,000.00	\$0.00	\$160,000.00	\$0.00
CDM: Contract W912DQ-08-D-0018; Task Order 0014/Mod 1; awarded 22 Aug 09	\$175,902.00	\$0.00	\$175,902.00	\$0.00
CDM: Contract W912DQ-08-D-0018; Task Order 0014/Mod 3; awarded 23 Dec 09 ^{Note 2}	\$493,000.00	\$0.00	\$493,000.00	\$0.00
CDM: Contract W912DQ-08-D-0018; Task Order 0014/Mod 7; 3 Mar 10 ^{Note 3}	\$283,000.00	\$0.00	\$283,000.00	\$0.00
CDM: Contract W912DQ-08-D-0018; Task Order 0014/Mod 8; awarded 14 May 10	\$140,000.00	\$0.00	\$140,000.00	\$0.00
CDM: Contract W912DQ-08-D-0018; Task Order 0014/Mod 9; awarded 9 Jun 10	\$375,000.00	\$0.00	\$375,000.00	\$0.00
CDM: Contract W912DQ-08-D-0017\8; Task Order 0014/Mod 10; awarded 21 Oct 10 ^{Note 4}	\$299,923.00	\$0.00	\$299,923.00	\$0.00
CDM: Contract W912DQ-08-D-0018; Task Order 0014/Mod 11; awarded 27 Dec 10 ^{Note 5}	See note 5	\$0.00	\$0.00	\$0.00
CDM: Contract W912DQ-08-D-0018; Task Order 0014/Mod 12; awarded 4 May 11 ^{Note 6}	\$645,000.00	\$0.00	\$645,000.00	\$0.00
CDM: Contract W912DQ-08-D-0018; Task Order 0014/Mod 13; awarded 19 Sep 11	\$150,000.00	\$0.00	\$137,307.00	\$12,693.00

Progress Report for EPA Region II

Description	Funds for Activity	Funds Disbursed this Month	Funds Disbursed to Date	Funds Remaining
CDM: Contract W912DQ-11-D-3004; Task Order 0005/ Base TO; awarded 15 Dec 11	\$770,000.00	\$0.00	\$770,000.00	\$0.00
CDM: Contract W912DQ-11-D-3004; Task Order 0005/ Mod 2; awarded 1 Jun 12	\$1,059,312.00	\$0.00	\$1,059,312.00	\$0.00
CDM: Contract W912DQ-11-D-3004; Task Order 0005/ Mod 3; 7 Jan 13	\$1,500,000.00	\$0.00	\$1,500,000.00	\$0.00
CDM: Contract W912DQ-11-D-3004; Task Order 0005/ Mod 4; awarded 11 Jul 13	\$1,200,000.00	\$189,945.00	\$519,215.00	\$680,785.00
CDM: Contract W912DQ-11-D-3004; Task Order 0005/ Mod 5; awarded 14 Feb 14	\$900,000.00	\$0.00	\$0.00	\$900,000.00
LBG: Contract W912DQ-11-D-3009; Task Order 0001/ Mod 7; awarded 26 Nov 13	\$11,522.00	\$8,658.93	\$11,522.00	\$0.00
LBG: Contract W912DQ-11-D-3009; Task Order 0001/ Mod 9; awarded 8 May 14	\$64,533.00	\$17.01	\$17.01	\$64,515.99
Subtotal - Summary of Contracts; awarded and avail. (total reflects blocks e + f + g on Page 2 IAG)	\$10,013,590.00	\$198,620.94	\$8,313,214.39	\$1,700,375.61
Kansas City Corps In-House Labor/Travel - 17 Mile	\$691,948.23	\$8,709.73	\$400,789.81	\$266,045.08
Kansas City Corps In-House Labor/Travel - RM 10.9		\$241.86	\$24,992.41	
Kansas City Corps In-House Labor/Travel - Tierra Pipeline Survey		\$120.93	\$120.93	
Superfund M&S Fee - 17 Mile	\$99,674.34	\$0.00	\$94,991.69	\$0.00
Superfund M&S Fee - RM 10.9		\$0.00	\$4,682.65	
MIPR/ERDC - Hayter/Gailani; CPG Modeling Support	\$58,287.43	\$0.00	\$58,287.43	\$0.00
MIPR/ERDC - Estes; Decon Technology Support	\$24,500.00	\$0.00	\$21,462.39	\$3,037.61
MIPR/ERDC - Hayter (replaces MIPR above/updated office symbols)	\$12,000.00	\$0.00	\$5,905.84	\$6,094.16
Subtotal - Summary of Labor/M&S Fee	\$886,410.00	\$9,072.52	\$611,233.15	\$275,176.85
Grand Total - Contract/Corps	\$10,900,000.00	\$207,693.46	\$8,924,447.54	\$1,975,552.46

Notes on above table:

Note 1: MPI/LBG TO 0010 Mod 5 is admin, zero dollar mod

Note 2: CDM TO 0014 Mod 2 is admin, zero dollar mod.

Note 3: CDM TO 0014 Mods 4, 5, & 6 were skipped in system numbering

Note 4: CDM TO 0014/Mod 10 totals \$362,923; \$63,000 is Newark Bay funding for IT transition.

Note 5: CDM TO 0014/Mod 11 totals \$74,426; \$50,000 is Passaic FFS funding and \$24,426 is Newark Bay funding for IT transition.

Note 6: CDM TO 0014/Mod 12 totals \$682,426; \$37,426 is Passaic FFS funding for IT/transition.

IAG Scope of Work Summary (block 13 of IAG)

This amendment obligates \$XX (see amounts above for base and amendments) to the U.S. Army Corps of Engineers - Kansas City District to provide/continue oversight of the CPG's performance of Remedial Investigation and Feasibility Study at the Diamond Alkali OU4 Superfund Site (EPA ID: NJD980528996)

Project Delivery Team

Name	Contact Information	Responsibility
Beth Franklin	(816) 389-3581 Cell: (816) 695-5797	Project Manager
Josh Hill	(816) 389-3803	Contract Specialist
Shelley Thomas	(816) 389-3842	Contracting Officer
Jason Shippy	(816) 389-3721	Attorney
Julia Kisser	(816) 389-3874	COR

Prepared by: Elizabeth Franklin
Project Manager
28 August 2014

PROGRESS REPORT

Site Name: Lower Passaic River Restoration Project and & Superfund Site
Project: Task Order 6424.005 CPG Oversight
Prepared by: Frank Tsang (revised by David Marabello)
Representing: CDM Federal Programs Corporation (CDM Smith)
Date: May 12, 2014 (revised December 4, 2015)
Reporting Period: March 30, 2014 to April 26, 2014

The following structures reflect the WBS from TO 6424.005.

1. **Progress Made this Reporting Period** – CDM Smith performed the following activities during this period:

WAD 1, Work Order (WO) 1 – Project Management and Administration

1.1.1 Project Management

- CDM Smith performed project management including staffing, financial monitoring, invoicing, and participated in conference calls.

1.1.2 Project Support Documentation & Administration

- CDM Smith prepared and submitted the monthly progress report.

1.1.3 Subcontract Administration

- CDM Smith processed subcontractor invoices (HDR Engineering, Inc, Robert Prezant, Environmental Science Solutions LLC, Shealy Environmental Services Inc., EarthSoft, and Axys Analytical Services).
- Addressed questions from and awarded subcontract to Robert Prezant on April 1, 2014.
- Awarded a consulting service subcontract to Roger Flood on April 11, 2014.
- Reviewed Status of subcontracts, including retainage.

1.1.4 Project Communication

- On April 1 and 15, 2014, CDM Smith participated in biweekly conference calls.
- On March 31, April 7, 14 and 21, 2014, CDM Smith participated in weekly project status calls with EPA and USACE.

WAD 1, WO 2 – Community Relations/Public Website

1.2.1 Public Meeting Support

- No activity.

WAD 1, WO 3 – Senior Technical Advisors

1.3.1 Senior Technical Advisor

- Robert Prezant (senior technical advisor) prepared and submitted Technical Memorandum, Burial and Burrowing Depth of Infaunal Organisms from the Passaic River, NJ (April 21, 2014).
- Funding for this WO is \$56,000 thru WVN 7/ATP 13 approved on March 27, 2014.

Item	TAC Member	TAC Member Subcontract Ceiling*	Authorized Funding	Payment this Period	Payment to Date	Remarks
1	Ambrose	\$6,400		\$0		Subcontract in place. POP to expire 11/30/2016
2	Flood	\$6,000		\$0		Subcontract awarded on April 11, 2014. POP to expire 11/30/2016
3	Di Toro	\$0		\$0		EPA/USACE placed subcontract on hold
4	Clough	\$11,457	\$6,200	\$0	\$3,380	Subcontract in place. POP to expire 11/30/2016
5	Prezant	\$13,600	\$4,950	\$3,053**	\$3,053	Subcontract awarded April 1, 2014. POP to expire 11/30/2016
Total		\$25,057	\$11,150	\$3,053	\$6,433	

*Subcontract Ceiling represents "available subcontract capacity" on each TAC member's respective subcontract. A subcontract modification is required when the dollar value of requested work exceeds a TAC Member's Subcontract Ceiling.

**Amount paid to the subcontractor, does not include CDM Smith handling charges.

WAD 1, WO 4 – Technical Support

1.4.1 Technical Support

- The PM inadvertently charged 2 hours to this WE (WE 1.4.1). The hours will be transferred to WE 1.1.4 Project Communication during the next billing period.

WAD 2, WO 2 - Work Planning: Oversight & Communication

2.2.1 Technical Communication

- Paid Federal Express invoice for sending data file to LBG.

2.2.2 CPG Planning Documents Review

- No activity.

2.2.3 TSI RM 10.9 Pipeline Survey Oversight (work element being developed)

- Charges will be transferred to this work element once it's developed in the formal project WBS. Until that time, work is performed using other RM 10.9 task and costs are tracked separately. The table below summarizes these costs:

Work Element	Cost prior to This Period	Cost This Period	Cost to Date
2.4.1 CPG Report Review	\$757	\$0	\$757
2.7.2 RM 10.9 Remedial Action Oversight	\$1,751	\$140	\$1,891
Total Cost	\$2,508	\$140	\$2,648

WAD 2, WO 3 – Field Work Sampling Oversight

2.3.1 CDM Smith Work Plan Preparation (QAPP & HASP)

- No activity.

2.3.2 Water Column, Chemical Data Oversight

- Finalized split sample evaluation of low volume CWCM data sets. Conducted meetings with LBG to coordinate split sample reporting on April 8, 2014. Submitted split sample summary report on April 14, 2014.
- Continued review of CPG high volume sample results and data validation reports.
- Continued validation of high volume split sample data.
- Subcontract analytical laboratory retainage paid.
- Rich Chappell assisted in reviewing the statistical approach for split sample comparison.

2.3.3 RM 10.9 Oversight

- Work element closed. See WAD 2 WO 7 for RM 10.9 oversight work.

2.3.4 LRC Supplemental Sampling Oversight

- Paid subcontract analytical laboratory for sample shipment to long term storage location.

2.3.6 Background Sampling Oversight

- Subcontract analytical laboratory retainage paid.

2.3.7 LRC SSP2 Oversight

- Continued validation of split sample data.
- Paid analytical subcontractor costs for analysis of SSP2 split sediment samples and retainage.

WAD 2, WO 4 – Report/Products: Oversight and Communications

2.4.1 CPG Report Review

- Completed review of CPG Draft Small Volume Chemical Water Column Monitoring (CWCM) Sampling Program Characterization Summary, dated February 2014. Comments submitted on April 1, 2014. Continued review of CPG Draft High Volume CWCM Sampling Program Characterization Summary, dated February 2014.
- Initiated review of CPG Physical Water Column Monitoring Sampling Program Characterization Summary – Draft, dated March 2014.

WAD 2, WO 5 – Data Manager

2.5.1 Data Manager (Data/Information Transfer)

- Provided data management support to extract data sets for EPA/USACE, Lower Passaic River team, and partner agencies.
- Exported historical data sets in preparation for the proposed plan role out.
- Obtained and posted reference documents to the public website in support of the proposed plan role out.

2.5.2 Database and Website Management

- Ongoing webpage support/and Enterprise interface support.
- Continued to provide webpage management support updating pages and announcements at the direction of the EPA/USACE.
- Went live with the website updates for the FFS Proposed Plan release.
- Paid database user fee.

WAD 2, WO 6 – CSO/SWO Sampling Oversight

2.6.1 Planning Documents Review

- No activity.

2.6.2 CDM Work Plan Preparation

- No activity. No cost has been incurred under this WE to date, therefore no invoice sheet for this WE.

2.6.3 Laboratory Analysis and Coordination

- No activity.

2.6.4 Field Oversight and Collection of Split Samples

- Mobilization of staff to cover attempted sampling events on April 7 and April 15, 2014. The sampling events were unsuccessful due to insufficient precipitation.

2.6.5 Split Sample Comparison Report

- No activity. No cost has been incurred under this WE to date, therefore no invoice sheet for this WE.

WAD 2, WO 7 – RM 10.9 Removal Action Oversight

2.7.1 Report Review/Technical Support

- Reviewed design documents responding to capping issues.

2.7.2 Remedial Action Oversight

- Participated in the weekly management meetings on April 2, 9, 16, and 23, 2014.
- Field oversight continued from March 30 to April 18, and from April 20 to 26, 2014, observations were made during installation of the geotextile fabric and armor stone installations.
- CDM Smith processed comments on the TSI's response to comments on the RM 10.9 Pipeline Survey SOW on April 21, 2014. CDM Smith cost associated with this effort charged to this work element will be transferred to WE 2.2.3 - TSI RM 10.9 Pipeline Survey Oversight, a new task being established to track this effort separately.

2.7.3 Sampling Analysis

- Continued validation of the water quality monitoring split samples.
- Paid analytical subcontractor costs for analysis of water quality split samples and retainage.

WAD 3, WO 1 - Modeling Support

- Project Management & Support
 - Prepared monthly invoice and writeup.
- Bi-Weekly Conference Calls
 - Attended April 15 and 30, 2014 bi-weekly calls.
- Project Review Conference Calls & Mod Meetings
 - No activity.
- Transfer of Model Codes/Support
 - Responded to Moffat and Nichol model input questions regarding the contents and application of model inputs transferred on March 11, 2014.
- Field Oversight
 - No activity.
- Modeling Oversight
 - Analyzed CWCM data to investigate CPG proposed relationships between water and sediment concentrations.
 - Analyzed CPG computed deposition rates.
 - Prepared bullet comments and memo based on the review of the targeted remedy models transferred in December for EPA/USACE to share with the CPG. Sent to EPA/USACE, and then EPA/USACE sent to CPG on April 9, 2014.
 - Attended conference calls and web meetings to discuss John Kern's review of the CPG's SWAC approach and alternatives April 14, 17 and 21, 2014.
 - Provided comments on Dr. Prezant's biota memo.

WAD 3, WO 2 - Modeling Collaboration with CPG

- Project Management and Support
 - Prepared monthly invoice and writeup.
- Weekly Conference Calls/Monthly Technical meetings
 - Attended calls with Rooni Mathew regarding high flow erosion rates on April 16, 2014 and non-cohesive critical shear stress on April 17, 2014.
 - Submitted SEI invoice, subcontracted to HDR, for March 13, 2014 collaboration meeting.
- Identify Model Differences
 - No activity.
- Data Action and Model Action Items
 - CPG contacted HDR for assistance in evaluating the amount of erosion computed by the CPG model during the high-flow period following Hurricane Irene. The assistance included evaluation of the effect of the CPG's representation of the grain size distribution, the effect of the effective diameters on the active layer thickness, vertical distribution of critical shear stresses, and the median grain size (D50) boundary used in the model for distinguishing between cohesive and non-cohesive grid cells as the D50 changes over time.
- Communication with EPA Project Team
 - No activity.

WAD 4, WO 2 – Review/Coordinate FFS Risk Assessment

- CDM Smith risk assessor charged 1 hour to this WO working on CPG fish consumption scenarios. The hour will be moved to WAD 4 WO 3 in the July billing period.

WAD 4, WO 3 – Review/Coordinate CPG Risk Assessment

- Robert Prezant submitted a technical memorandum titled “Burial and Burrowing Depth of Infaunal Organism from the Passaic River, New Jersey” on April 21, 2014. After performing the technical review of the technical memorandum, CDM Smith submitted the technical memorandum to EPA/USACE on April 22, 2014.
- CDM Smith held internal discussion regarding CPG’s proposed two fish consumption scenarios: with carp and without carp.

WAD 5, WO 1 – RI/FS Documents

- Initiated reviewed PWCM draft report which was posted to SharePoint by CPG on March 31, 2014. Continue review effort will be performed under WE 2.4.1.

WAD 5, WO 2 – Data Evaluation

- Continued work on detailing GIS and 3D model.
- Continued to formulate data presentation plans and evaluate potential approaches to better visualize and demonstrate site conditions.
- Prepared presentation of geostatistical approach to evaluate uncertainty among various contaminant interpolations. Presented approach to EPA/USACE on April 21, 2014.
- Reviewed CPGs LPR surface sediment COPC mapping approach as contrasted with the geostatistical approach.
- Dr. Kern provided technical support for the SWAC analysis and presentation to EPA/USACE.

2. **Anticipated Problems and Recommended Solutions** – None.

3. **Problems Resolved** – N/A.

4. **Upcoming Events/Activities Planned** – CDM Smith will continue working on the following activities:

- Participate in bi-weekly calls.
- Review CPG and Tierra documents when received.
- Continue database management data upload.
- Provide support on CSO/SWO oversight.
- Provide support on RM 10.9 oversight.
- Continue to formulate data presentation plans.
- Continue evaluation of potential reference locations.
- Participate in RI/FS technical meetings.
- Prepare lessons learned for RM 10.9.

5. **Key Staffing Changes** – None.

6. **Budget** – See attached cost spreadsheet for negotiated budget, funded amount, and expenditure details.

7. **Deliverables Submitted**

(For deliverables submitted prior to January 3, 2013, please see the April 2013 and earlier monthly reports.)

Title	Date Submitted
Submitted comments on River Mile 10.9 90 Percent Design	January 3, 2013
Submitted comments on RM 10.9 QAPP Addendum D	January 23, 2013
Submitted CDM Smith Field Change Request #13 - oversight of CPGs QAPP Addendum D Field Effort	February 13, 2013
Submitted comments on Updated Porewater SOPs RM 10.9 QAPP Addendum D	February 19, 2013
Submitted comments on Tierra's Validated Rinse Blank Results for the CSO/SWO sampling program	February 28, 2013
Submitted comments on Porewater SOP RM 10.9 QAPP Add D	March 1, 2013
Submitted comments on Draft Final RM 10.9 Design	March 22, 2013
Submitted comments on GW Seepage Measurement Field Mod	March 25, 2013
Submitted comments on CSO/SWO QAPP Revision 2	April 4, 2013
Submitted comments on RM 10.9 design draft WQMP	April 24, 2013
Submitted comments on Fall 2009 Benthic Invertebrate Community Survey and Benthic Field Data Collection, dated April 12, 2013	April 24, 2013
Submitted comments on Habitat Identification Survey Data Report, Fall 2010 Field Effort, dated April 12, 2013	April 24, 2013
Submitted comments on RM 10.9 Draft Water Quality Monitoring Plan	April 26, 2013
Submitted comments on RM 10.9 Removal Action Final Design Report	May 17, 2103
Submitted comments on RM 10.9 Draft Perimeter Air and Noise Monitoring Plan	May 23 & 28, 2013
Submitted comments on RM 10.9 Waterline Setback	May 24, 2013
Submitted comments on Tierra CSO/SWO Forensic Sample Results	May 16, 2013
Submitted comments on CPG Field Modification Form 130522-1 SSP2 Sediment Probing	May 29, 2013
Submitted comments on RM 10.9 Cap Design Review & Waterfront Development Permit Equivalent Conditions	June 3, 2013
Submitted comments on CSO-SWO LSM Method Blank Evaluation Report dated May 23, 2013	June 10, 2013
Submitted CDM Smith Field Change Request #14 – HV CWCM filtrate sample	June 12, 2013
Submitted comments on the RM 10.9 Final Design Response to Comments	June 13, 2013
Submitted comments on the RM 10.9 Final Design LTMM	June 13, 2013
Submitted comments on Pre-Dredge Bathymetry Survey Calibration & QC SOP	July 10, 2013

Title	Date Submitted
Submitted comments on Tierra's CSO/SWO QAPP Field Modifications dated June 6, 2013	July 12, 2013
Submitted comments on SV CWCM QAPP Addendum A WQM	July 15, 2013
Submitted comments on RM 10.9 Removal Action Operational Plans	July 16, 2013
Submitted comments on Response to RM 10.9 Design Comments	July 18, 2013
Submitted comments on Complete Pre-Dredge Bathymetry Survey	July 24, 2013
Submitted CDM Smith QAPP Addendum 13 WQM RM 10.9	August 9, 2013
Submitted comments on CPG Revised SSP2 Sampling Locations	August 13, 2013
Submitted comments on the bathymetry survey results	August 29, 2013
Submitted CDM Smith Field Change Request 15 Oversight of the CPG SSP2 Sampling	September 18, 2013
Submitted comments on the CPG Draft Low Resolution Coring Supplemental Sampling Program Addendum Sampling Program QAPP, September 2013	September 18, 2013
Submitted comments on RM 10.9 RA High Sub-Grade Sediment Sampling Plan, September 25, 2013	September 26, 2013
Submitted comments on CPG's RM 10.9 Post-Dredge Sediment Sampling Plan	October 4, 2013
Submitted comments on CPG Field Modification FM131009 for the SSP2 Sampling Event	October 15, 2013
Submitted comments on CPG Field Modification FM-131018 to move station 13B-0523	October 22, 2013
Submitted comments on CPG RM 10.9 Capping Plan	October 22, 2013
Submitted comments on CPG Draft 2012 Benthic Invertebrate Community Reference Data Report	October 24, 2013
Submitted comments on CPG Field Modification FM-13103-1 for the SSP2 Sampling Event	November 4, 2013
Submitted comments on CPG RM 10.9 Removal Action Water Quality Monitoring: Proposed Monitoring During Capping Operations	November 6, 2013
Submitted comments on CPG RM 10.9 Removal Action Cap Active Layer Monitoring: Approach for Carbon Analysis	November 20, 2013
Submitted comments on the CPG Draft 2012 Sediment Toxicity Reference Data Report, dated October 22, 2013	December 2, 2013
Submitted comments on CPG Periodic Bathymetry Survey, Fall 2011 Post Hurricane Irene Survey Report, dated March 2013, and the 2012 Periodic Bathymetry and Single Beam Survey Report, dated March 2013	December 27, 2013
Submitted comments on CPG Draft Revised Risk Analysis and Risk Characterization Plan, dated October 29, 2013.	January 16, 2014
Submitted comments on CPG Draft 2012 Chemistry Background Data Report, dated October 30, 2013.	January 24, 2014
Submitted comments on CPG Preliminary Draft Interim Conceptual Site Model, submitted on December 20, 2013.	January 24, 2014

Title	Date Submitted
Submitted comments on Revised Capping Plan for Geotextile, Armor Stone & Habitat Layer Installation, Revision 10, dated January 31, 2014	February 4, 2014
Submitted Meeting Minutes for February 6, 2014 RI/FS Meeting	February 11, 2014
Submitted comments on CPG LRC Supplemental Sampling Program Characterization Summary	March 3, 2014
Submitted comments on CPG Draft Dissolved Oxygen Monitoring Program Data Report, dated Sept. 3, 2014	March 21, 2014
Submitted comments on Tierra's Passaic River RM 10.9 Pipeline Survey: Statement of Work	March 21, 2014
Submitted comments on CPG Draft SV CWCM Sampling Program Characterization Summary, dated Feb. 2014	April 1, 2014
Submitted 2011-2013 Chemical Water Column Monitoring, Small Volume Split Sample Data Comparison	April 14, 2014
Submitted Draft Burial and Burrowing Depth of Infaunal Organism from the Passaic River, New Jersey	April 21, 2014